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The supply along the shore at the dates mentioned is so abundant that it can be easily provided for class use in most of the laboratories of the country. This year the plant appeared with the gale of October 23, the earliest date noted, and the specimens were the largest yet found.—C. B. ATWELL, *Evanston, Ill.*

**Preliminary note on the synonymy of *Entothrix grande* Wolle.**—Two years ago, through the kindness of Rev. Francis Wolle, Bethlehem, Penn., I received specimens of his *Entothrix grande*. Upon a careful microscopic examination of the material I found it to be an undescribed species of *Lemanea*. I have also had an opportunity, through the courtesy of Dr. Farlow, while at his laboratory during the past summer, of verifying my observation by an examination of *Entothrix grande* Wolle, Rab. Alg. Europ. no. 2538. The species belongs to the section of the *Lamaneaceæ*, for which Sirodot<sup>1</sup> retained the generic name *Lemanea* Bory. The dense coil of enveloping filaments which surround the central axis of the tube, as well as the two or three layers of cells in the cortex, shows the affinity of this species with *Lemanea catenata* Kütz. and *L. nodosa* Kütz. If the enveloping filaments of the central axis are carefully dissected away one could not fail to see the *Lemanea* structure. Mr. Wolle erred<sup>2</sup> also in associating it generically with Harvey's<sup>3</sup> *Tuomeya fluviatilis*. I have also to acknowledge the favor of Dr. Farlow in permitting me to examine type specimens of *Tuomeya fluviatilis* Harv. from Harvey's herbarium. Wolle's figure<sup>4</sup> of *Tuomeya fluviatilis*, which, by the way, he states is ideal, since he did not have an opportunity of examining specimens, bears not the slightest resemblance to the habit of the type species, which is more nearly that of *Batrachospermum moniliforme*, while it is also more nearly related to *Batrachospermum* in structure.

I hope in a forthcoming paper to give a more detailed account of the structure of *Lemanea grandis* than can be given here. I have arranged the synonymy as follows:

LEMANEA GRANDIS Atk.

Syn. *Entothrix grande* Wolle, Bull. Torr. Bot. Club, Nov. 1877.

*Entothrix grande* Wolle, Rab. Alg. Europ. 2538.

*Tuomeya grande* Wolle., Fresh<sup>5</sup> Water Alg. U. S. pl. 66, figs. 2-8.—GEO. F. ATKINSON, *Auburn, Alabama.*

## EDITORIAL.

Every botanist must rejoice at the grand provision that the late Mr. Henry Shaw has made for the promotion of botanical science in this country. As is doubtless known to every reader the largest part of Mr.

<sup>1</sup>Étude sur la Algues d'eau douce de la Famille *Lamaneaceæ*, Ann. d. Sci. 5th Ser. Bot. xvi, Paris, 1872.

<sup>2</sup>Fresh water algæ of the U. S., 1887.

<sup>3</sup>Nereis Bor. Am. III, pp. 66-67, Smithsonian. Cont. x, 1857.

<sup>4</sup>Fresh water algæ of the U. S., 1887.